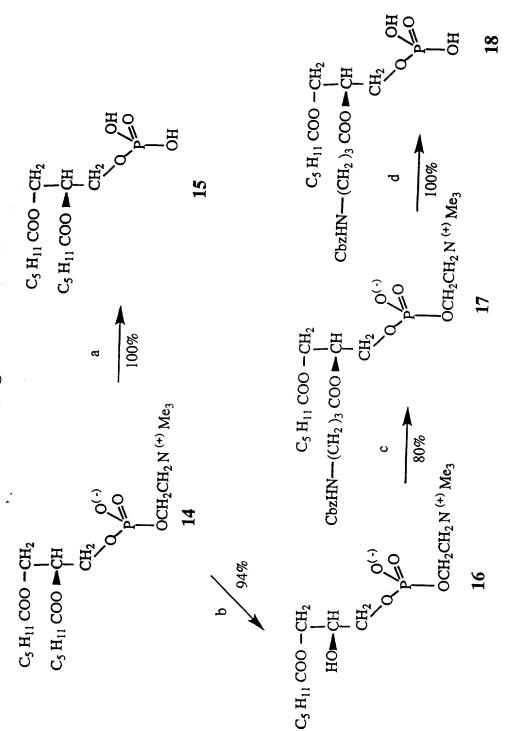
Scheme I: Synthesis of 1D-3,6-di-O-benzyl-2-deoxyfluoro-myo/scyllo-inositol-4,5-bis(dibenzylphosphate) 10. Reagents and Conditions: (a) HOAc/H₂O (90:10), 95 °C. (b) Cyclohexanone dimethylketal (1.2 eq.), DMSO, 40-45 °C, red. press. (c) Bu₂SnO, toluene, 110 °C, DMF, 4-MBnCl, CsF, 80 °C. (d) CH₂Cl₂, DAST, NEt₃, 35-40 ⁰C. (e) Ethylene glycol (1.1 eq.), p-TSA, CH₂Cl₂, R.T. (f) (i-Pr)₂NP(OBn)₂, 1H-tetrazole, CH₂Cl₂, -40 ⁰C, m-CPBA. (g) DDQ, CH₂Cl₂, R.T.





1-O-hexanoyl-2-O-(\omega-Cbz-aminobutanoyl)-sn-glycero-3-phosphoric acid (18). Reagents and Conditions: (a) NaOAc buffer pH 8.5, 37 °C, PLD. (b) Ether-NaOAc buffer pH 8.5, 37 °C, Scheme II: Synthesis of 1,2-di-O-hexanoyl-sn-glycero-3-phosphoric acid (15) and PLA2. (c) @-Cbz-aminobutanoic acid, DCC, DMAP, CHCl3, R.T.